Top reasons to buy the Azur 751R V2

This AV Receiver delivers exceptional quality audio... here are 10 reasons to choose the Cambridge Audio Azur 751R V2 over other systems…

1 **The hub of music and video:** No need to buy two devices for sensational surround sound and great music. Combine the quality and power of a true stereo amplifier, with the connectivity and functionality of an AVR. Furthermore, the 751R V2's intuitive remote control and front panel ensure everyone can enjoy it.

2 **Premium components:** To deliver the best possible surround and stereo sound together with versatile connectivity and unrivalled ease of use, we've selected our favourite components. From toroidal transformers, to the Cirrus Logic audio DACs (digital to analogue converters) and the Anchor Bay ABT2010 1080p video processor... the 751R V2 was built without compromise.

3 **Great connectivity:** With many analogue and digital inputs, it's almost impossible to run out. You can connect all of your AV equipment including Blu-ray, satellite TV, games consoles, MP3 players, CD players, turntables and more, plus there's a built in AM/FM tuner too.

4 **Asynchronous USB:** The 751R V2 has an asynchronous USB Audio input allowing it to work as a high quality soundcard for your computer and stream up to 24-bit/192kHz files.

5 **Quick set-up:** AV receivers can involve arduous set-up and configuration processes, but the 751R V2 is quick and simple thanks to the Audyssey 2EQ auto speaker setup. The supplied microphone measures the listening environment and automatically sets the speaker levels and distances for your room.

6 **Zone 2:** The 751R V2 allows you an independent zone 2. This means you can run audio and video into a second room, and then watch or listen to different sources in both rooms. Our zone 2 also features our unique "Follow Main" option. "Follow Main" lets you listen to the same digital source that's playing in the main room, in the second room. There is also a Zone 2 sub output for 2.1 in the second room.

7 **ATF upsampling:** The 751R V2 features a 3rd dedicated DSP which runs our proprietary ATF audio up-sampling technology. This up-samples all audio to 24-bit/192kHz, providing the ultimate sound quality from all sources, taking the audio performance to another level.

8 **All of the power, all of the time:** The 751R V2 outputs a massive 200W per channel, making it one of the most powerful AVRs in its class. It is designed to divert all available power to as many, or as few speakers that are connected to it. For example, if you want extra performance from a high-quality pair of front speakers in surround-sound set-up, you can then- with a 5.1 configuration- use the surround rears to bi-amp the front left and right for that extra punch and control.

9 **Full crossover adjustment and bass management:** The 751R V2 incorporates advanced Bass Management features, allowing you to channel low frequencies to your front speakers, subwoofer, or both, as well as providing individually selectable bass boost for different surround modes.

10 **Full Metal Jacket:** all the above points would mean nothing if the 751R V2 was not built to last! From the all-metal casework and ultra rigid chassis, to the high-quality, high-power toroidal transformer, every component in the 751R V2 is designed to give many years of listening pleasure.

Top tip!

The 751R V2 has a multi-channel analogue (7.1 Direct) audio input. This is ideal for connecting a high quality universal player such as the 752BD, and allows a direct, unprocessed signal path to the 751R V2's amplifier section.

Cambridge Audio's policy of continuous improvement means design and specification may change without notice. All rights reserved © 2013 Cambridge Audio. Cambridge Audio is a brand of Audio Partnership Plc Registered Office: Gallery Court, Hankey Place, London SE1 4BB, United Kingdom. Registered in England No. 2953313. iPod is a trademark of Apple Inc. registered in the U.S and other countries. Other product and company names are trademarks of their respective owners and are used for reference purposes only.

Cambridge Audio
AZUR 751R V2
AV RECEIVER

TOP-TIPS

The complete AV hub

AV receivers often deliver a vast array of features and effects processing, but amplification and sound quality is often an afterthought.

The Azur 751R V2 delivers a powerful, immersive home cinema experience together with a stunning audio performance. At Cambridge Audio, our number one rule is that sound quality always comes first. With this in mind, we always ensure our AV receivers deliver the same audio performance levels as our award winning stereo amplifiers, meaning that you don't need two separate systems for music and movies. So, as well as delivering the usual features and effects processing, unlike many other AV receivers on the market, the 751R V2 also makes all of your music – and soundtracks – sound fantastic.

The versatile 751R V2 caters for a wide range of set ups and systems, with six HDMI inputs for Blu-ray, gaming, or satellite TV and two HDMI outputs for twin displays. There's also a wide variety of digital and analogue audio inputs to produce the best audio from traditional sources and hi-fi equipment. It's easy to set up using the Audyssey 2EQ auto setup and room calibration, while the intuitive remote control and front panel, which includes a HDMI and RCA input, ensures anyone can enjoy it.

The inside story

Superior Audio

We only use pure audiophile components, from the high quality DACs and dedicated USB Audio input for your computer, to the audiophile grade, oversize toroidal transformer which is why the 751R V2 is one of the most powerful AV receivers in its class, outputting 200 Watts per channel! The 751R V2 even features our proprietary ATF audio upsampling technology, which upsamples all incoming audio to 24-bit/192kHz to deliver the highest quality sound with the lowest possible distortion and jitter.

The 751R V2 has two powerful Texas Instruments 32-bit DSPs which not only ensure compatibility with all the latest CODECs and formats, including 4K and 3D video, but also carry out complicated post-processing functions. This allows us to perform things like DTS remapping, and height channel processing, so that whatever your speaker configuration and whatever the source, you'll be getting the best possible sound quality.

We then use a 3rd DSP which runs our proprietary ATF audio up-sampling technology. This up-samples all audio to 24-bit/192kHz, providing the ultimate sound quality from all sources.

Superb power

The 751R V2 outputs 200 watts per channel, meaning that it can easily drive most loudspeakers really effectively.

There's also a bi-amp mode which means that when using a 5.1 set-up, the unused 6th and 7th channels can be used instead to bi-amp the front left and right channels, delivering the extra punch and control required by any high quality pair of front speakers.

Super cooled

All this power, refinement and versatility comes in a sleek and elegant box, whilst our advanced X-TractTM cooling system ensures it can operate in a small space without overheating.

www.cambridgeaudio.com

Toroidal vs EI transformers

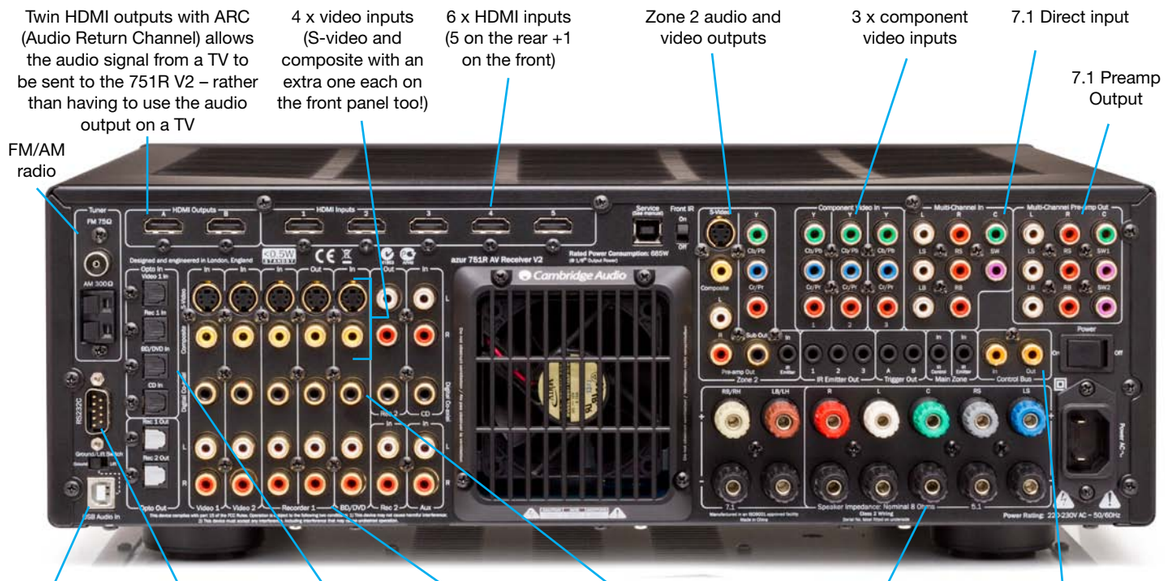
We strive for audio perfection which is why the 751R V2 features a powerful toroidal transformer. Cambridge Audio was one of the first manufacturers to use toroidal transformers in the 1970s, and we continue to use them today. Some of the benefits of a toroidal transformer, over the cheaper, inferior EI transformers used by most other manufacturers are:

- ✓ High quality power output to the amplification circuits, with no clipping of the waveform signal, to provide a consistent signal
- ✓ No transformer noise, buzz or hum
- ✓ Sensational bass performance
- ✓ High power output, to allow large and demanding speakers to be driven at high volumes
- ✓ Large power reserves, to allow the transformer to deliver high peaks of volume when required
- ✓ Fully shielded against internal and external electrical interference, to maintain quality of power and signal

A typical cheaper EI transformer:

- ✗ Weak inconsistent signal
- ✗ No shielding
- ✗ Noisy
- ✗ Won't drive powerful and demanding speakers

An amazing home cinema receiver designed to deliver superb audio for music and movies alike


Twin HDMI outputs with ARC (Audio Return Channel) allows the audio signal from a TV to be sent to the 751R V2 – rather than having to use the audio output on a TV
4 x video inputs (S-video and composite with an extra one each on the front panel too!)
6 x HDMI inputs (5 on the rear +1 on the front)
Zone 2 audio and video outputs
3 x component video inputs
7.1 Direct input
7.1 Preamp Output
FM/AM radio
High resolution USB Audio input
RS232 (for use with custom installation projects)
4 x digital optical inputs (there's one extra on the front too)
7 x RCA phono inputs (there's also an extra one on the front panel)
5 x digital coaxial audio inputs
Speaker connections (up to 7.1)
Control bus connection (allows control from connected Cambridge Audio products)

Class-leading connectivity

As well as comprehensive upscaling and upsampling capabilities, the 751R V2 has a the full range of top-end home cinema receiver features: 7.1 analogue inputs and outputs (with option to run twin subwoofers), and a comprehensive range of HDMI inputs and outputs. The 751R V2 has 6 HDMI inputs and 2 outputs, all of which are 4K and 3D compatible and with support for an audio return channel (ARC). The 751R V2 even has an asynchronous USB Audio input, acting as a high quality external soundcard, allowing you to send up to 24-bit/192kHz studio master quality files to the 751R V2 from your computer.

All metal design

Electronics (and therefore sound quality) are particularly susceptible to vibration; that's why we've used a low resonance, acoustically-dampened metal chassis to eliminate as much vibration as possible, ensuring that the most sound quality is extracted from each source.

Vital Statistics

Power output:	200 watts rms per channel, 6 ohms (two channels driven) 170 watts rms per channel, 8 ohms (two channels driven) 120 watts rms per channel, 8 ohms (all 7 channels driven)
Inputs:	6 x HDMI, 8 RCA, 7.1 Multichannel, USB Audio, 5 coaxial, 5 optical, FM/AM Tuner, 3 component video, 4 composite, 4 S-video
Outputs:	2 HDMI, 7 amplified speaker outputs, 7.2 preamp output, headphone output, 2 RCA, 2 optical, 2 coaxial
Dimensions (H x W x D):	150 x 430 x 420mm (5.9 x 16.9 x 16.5")
Weight:	17.4kg (38.3lbs)

Did You Know?

The 751R V2 has a HDMI Preview feature. This allows you to display a thumbnail picture of all connected HDMI sources, and quickly and easily select the desired input.

Simple set-up

You can easily set the 751R V2 up by yourself using the Audyssey 2EQ auto speaker setup. For quick and simple installation in any room this system uses the supplied microphone to perform multiple measurements of the listening environment and automatically sets the receiver up for optimum use dependent on your room's acoustics.

Twin video outputs

The 751R V2 features two HDMI outputs. These can be used to run two displays at the same time; ideal if you have a screen in a second room, or want to use a projector for movies, but a TV screen for day to day use.

Support for the latest formats

With the very latest technologies – including the Texas Instruments dual 32-bit DSP for compatibility with all the latest CODECs and formats, including 4K and 3D video, the 751R V2 will handle future formats for years to come.

Multi-room connections

Continuing the versatile specification, the 751R V2 also allows you to run an independent zone 2. This means you can run audio and video into a second room, and then watch or listen to different sources in both rooms. Our zone 2 also features our unique "Follow Main" option. "Follow Main" lets you listen to the same digital source that is playing in the main room, in the second room (most modern amps will only let you hear analogue sources in the second room).

Matching Surround Modes to suit your speaker setup

Personal preferences and room restrictions means every 5.1 or 7.1 speaker configuration will be slightly different, so it is possible the original mastertrack of a 7.1 soundtrack was mastered with a different speaker layout than the one being used in a customer's home.

There are seven different layouts used by DTS (Digital Theater Surround) for DTS HD and DTS HD Master soundtracks. To ensure users enjoy the sound as the original sound engineers intended (without moving the speakers every time) the 751R V2 will electronically reposition each speaker to create the same experience as the recording studio or cinema.

Designer's note

"We've taken our award-winning hi-fi know-how and designed a powerful AV receiver that will also produce a truly exceptional stereo performance."

Chris – Electronics Manager